

WHAT IS CLAIMED IS:

Su 3 1. Rubber compounds comprising at least one double bond-containing rubber (A) and particles of polybutadiene rubber with a glass transition temperature of <-60°C (B), whereby component (B) is present in quantities of 10 to 150 wt.%, relative to the total quantity of component (A), and optionally other fillers and rubber auxiliary substances in conventional quantities.

2. Rubber compounds according to Claim 1, wherein component (B) is present in quantities of 30 to 120 wt.%.

10 3. Rubber compounds according to Claim 1, wherein said double bond containing rubbers (A) is selected from the group consisting of NR, BR, SBR, SIBR and SNBR.

4. Rubber compounds according to Claim 1, wherein said rubber auxiliary substance is 1,6-bis(N,N'-dibenzyl thiocarbamoyl dithio)hexane.

15 5. Rubber compounds according to Claim 1, wherein said additional filler is silicic acid.

6. Rubber compounds according to Claim 1, wherein said additional filler is silicic acid activated with Si 69®.

20 7. Rubber compounds according to Claim 1, wherein the particles of polybutadiene rubbers exhibit a glass transition temperature in the range from -65°C to -100°C.

8. Tire components comprising at least one double bond-containing rubber (A) and particles of polybutadiene rubber with a glass transition temperature of <-60°C (B), whereby component (B) is present in quantities of 10 to 150 wt.%, relative to the total quantity of component (A), and optionally other fillers and rubber auxiliary substances in conventional quantities.

30 9. Tire components according to Claim 8, wherein said tire component is a tire bead and apex compound, subtread compounds, tire carcasses and tire side walls.

10. Tire components according to Claim 8, wherein component (B) is present in quantities of 30 to 120 wt.%.

11. Tire components according to Claim 8, wherein said double bond containing rubbers (A) is selected from the group consisting of NR, BR, SBR, SIBR and SNBR.

5 12. Tire components according to Claim 8, wherein said rubber auxiliary substance is 1,6-bis(N,N'-dibenzyl thiocarbamoyl dithio)hexane.

13. Tire components according to Claim 8, wherein said additional filler is silicic acid.

10 14. Tire components according to Claim 8, wherein said additional filler is silicic acid activated with Si 69®.

15. Tire components according to Claim 8, wherein the particles of polybutadiene rubbers exhibit a glass transition temperature in the range from -65°C to -100°C.

15 16. Tire components according to Claim 8 wherein said tire component comprises tire sidewall inserts for tires with emergency running properties.

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